CITADEL

Critical Infrastructure & Transport Defence Alliance

PORTS & TERMINALS

What is CITADEL — and why does it exist?

A non-profit, non-governmental alliance for critical infrastructure and transport.

We help ports protect people and essential operations through shared standards, accredited expertise and continuous learning.



Concept illustration: the dome symbolises coordinated protection.

Standards

A common basis for protection and readiness.

Accreditation

Qualified auditors, companies and training centres.

Membership

Shared knowledge and ongoing improvement.

CITADEL maintains the standards.
Accredited specialists deliver the work.

01 / THE FRAMEWORK

Standards that connect the elements of protection

One framework links risk assessment, technical measures, procedures and prepared people.



01 **Understand the risk**
Identify relevant threats, exposed people and assets, and existing measures.

02 **Define protection**
Connect detection, warning, protected spaces and essential-function continuity.

03 **Prepare procedures**
Set responsibilities, ship–port coordination, response and recovery actions.

04 **Build competence**
Define role-based training and practical assessment for staff and leaders.

05 **Verify and improve**
Test readiness, address findings and apply lessons and standard updates.

A common standard. A site-specific solution.

02 / CLEAR RESPONSIBILITIES

CITADEL sets standards. Accredited experts deliver.

Each participant has a distinct role in the protection programme.

CITADEL

Develops and maintains standards, accredits auditors and organisations, coordinates membership and reviews shared operational experience.

Accredited auditors

Assess risks, protective measures and readiness. Record findings, priorities and progress against the applicable standard.

Accredited companies

Develop solutions and feasibility studies, implement systems and prepare site procedures.

Accredited training centres

Deliver training, practical drills and competence assessments for personnel and management.

Accreditation is approval within the CITADEL scheme for a defined scope. CITADEL does not deliver commercial audits, installation or training.

03 / FROM ASSESSMENT TO ACTION

Understand the port. Define practical protection.

The audit informs the solutions. Existing infrastructure is used where suitable.



What auditors assess

- Drone, surface and relevant underwater threats.
- Navigation, communications and cyber-physical disruption.
- People, assets, existing measures and response readiness.

What companies develop

- Detection, warning and protected spaces.
- Backup communications, power and essential functions.
- Procedures, integration and phased implementation.

A clear result for the port

Prioritised findings, feasible options, an implementation plan and agreed verification criteria.

Active countermeasures are considered separately, subject to the required permissions.

04 / TRAINING & READINESS

Prepared people. Practised decisions.

Accredited training centres tailor preparation to the port's risks, roles and procedures.



Illustration: the team's strength symbolises preparedness.

L1

Awareness

Staff and contractors.

Recognise threats, report concerns, follow warnings and move safely.

L2

Operational

Security and operators.

Interpret alerts, work through failures and coordinate the response.

L3

Command

Management and leaders.

Assess the situation, coordinate ship–port action and decide on recovery.

Practise on site. Check the result.

Drills test warnings, safe movement, personnel accountability and backup functions. Findings guide corrective actions.

Training complements, rather than replaces, mandatory qualifications.

05 / CONTINUOUS LEARNING

Operational experience. Better-informed standards.

CITADEL collects and cross-checks evidence, then shares lessons that can improve members' protection.

A broad evidence base

Audits, pre-feasibility and feasibility studies, implementation, drills, new technologies and maritime incidents.

Documented experience from Ukraine, the Black Sea, the Persian Gulf and other high-risk environments.

01 **Collect**
Bring together case records, sources and implementation results.

02 **Verify**
Cross-check claims, operating conditions, performance and limitations.

03 **Apply**
Feed reviewed lessons into standards, guidance and training updates.

Specialist software supports the process

Traceable sources, review status, comparisons and links to standard revisions.

Combat experience is assessed for civilian applicability. Only authorised, de-identified lessons are shared.

06 / MEMBERSHIP & RECOGNITION

Your standard.
Your improvement pathway.

Members receive the applicable CITADEL standard package and a framework for maintaining readiness.

01 **Standards and updates**
Current requirements, practical guidance and changes relevant to the site.

02 **Accredited expertise**
Recommendations for auditors, companies and training centres suited to the task.

03 **Shared knowledge**
Reviewed case lessons, consultation and participation in working groups.

Membership mark

Identifies participation in CITADEL and commitment to its framework.

Conformity mark

Follows a positive assessment for a stated site, scope and validity period.

Evidence for insurance discussions

Verified status, audit findings, training and implemented measures can support risk discussions with brokers and insurers.

Membership alone does not certify a site. Insurance terms are set by the insurer; a premium reduction is not guaranteed.

07 / THE FIRST STEP

Start with a working meeting.

Discuss your port’s priorities and agree a practical starting point.



01 Working meeting
Define the first site, priority risks and responsible contacts.

02 Membership
Agree participation, the applicable standard and the support required.

03 Accredited expertise
CITADEL recommends auditors, delivery companies and training centres.

04 Assessment and solutions
Auditors assess the site; companies develop options and implementation stages.

05 Training and follow-up
Centres prepare personnel; readiness checks and shared lessons guide follow-up.

Bring your priorities. Build the next step together.

Scope, timing and participation terms are agreed after the meeting.